

FIG. 1

MANUFACTURER SECTOR
ISSUER SECTOR
ISSUER PREPARATION SECTOR
FUND INFORMATION SECTOR
FUND INFORMATION BACKUP SECTOR
CARD VERIFICATION KEY SECTOR
CARD SECRET KEY SECTOR
USER SECTOR

FIG. 2

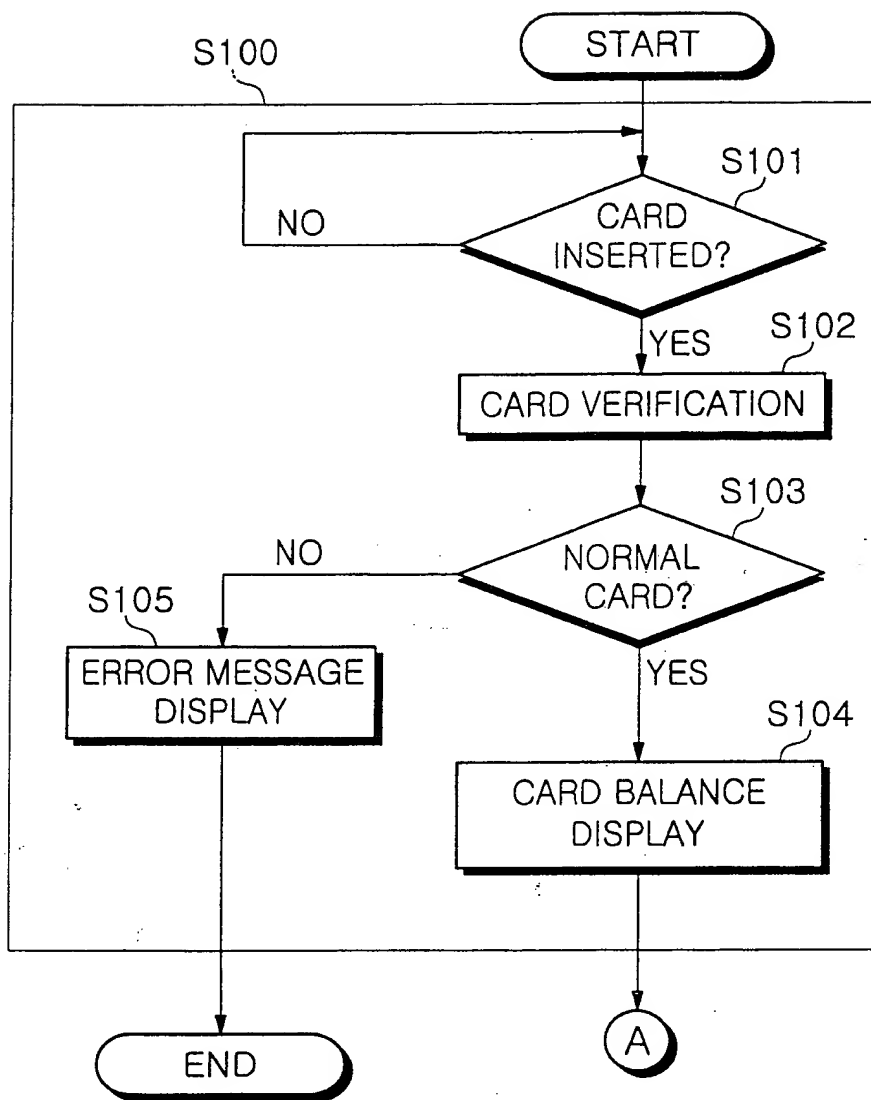


FIG. 3A

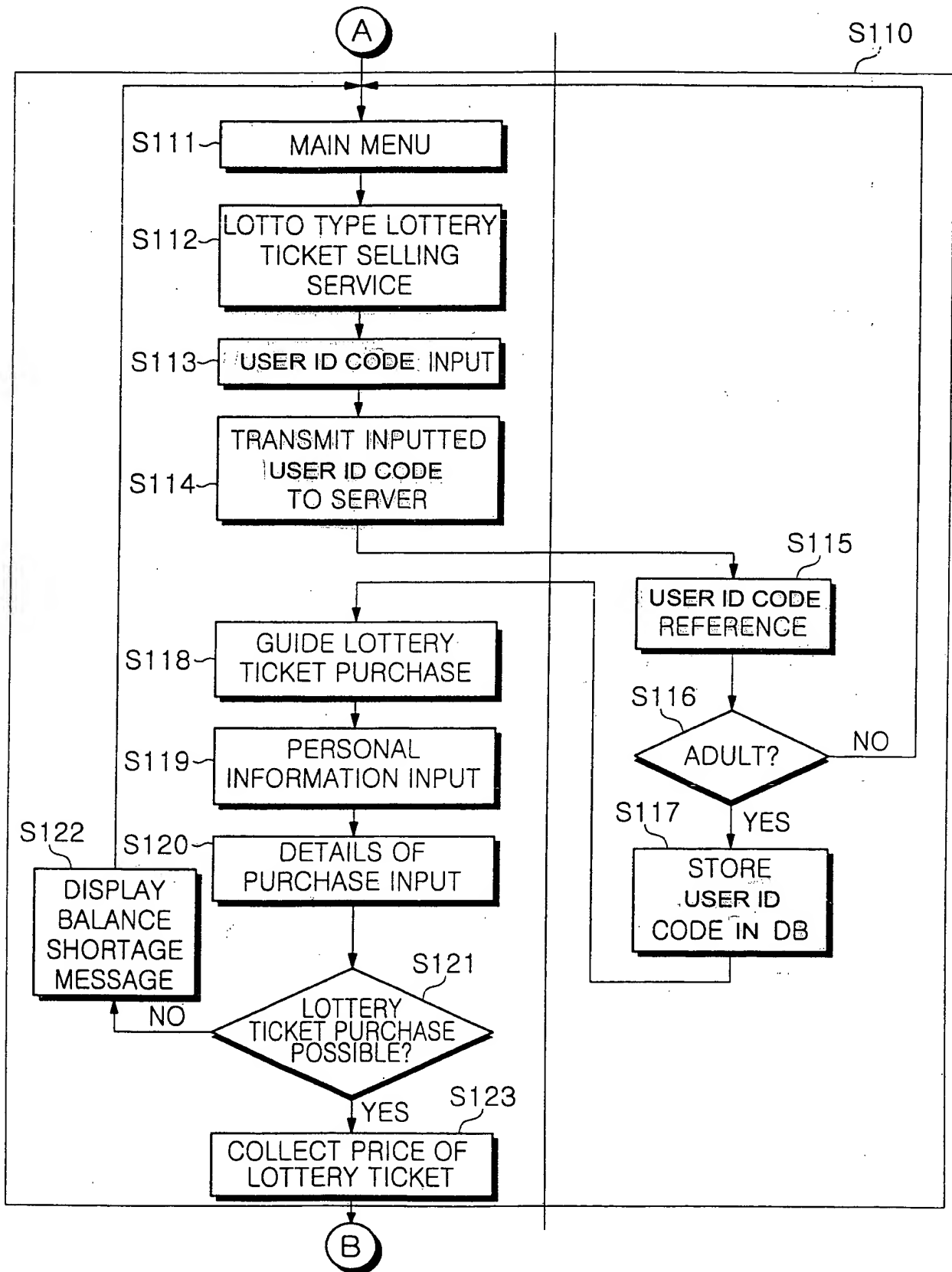


FIG. 3B

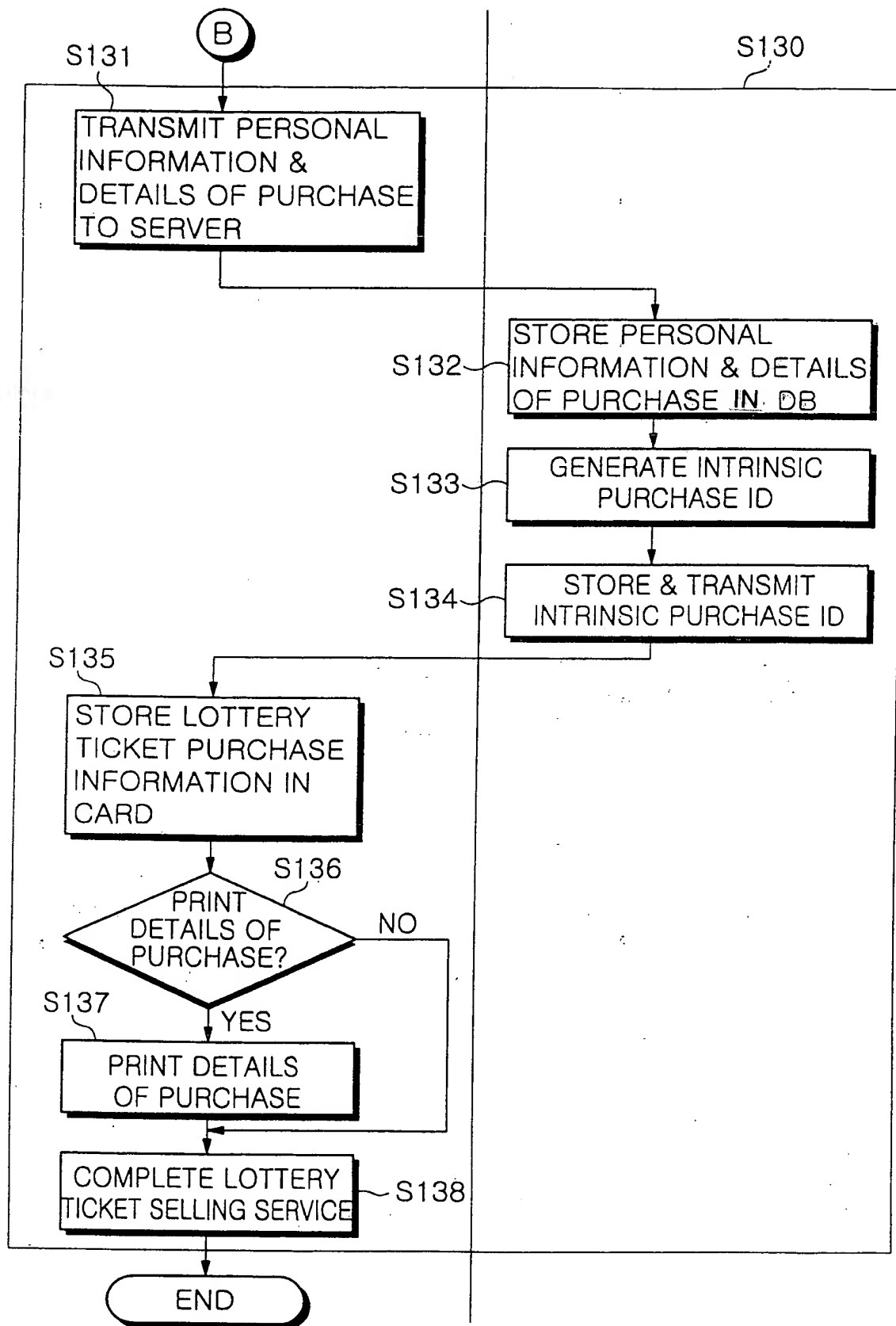


FIG. 3C

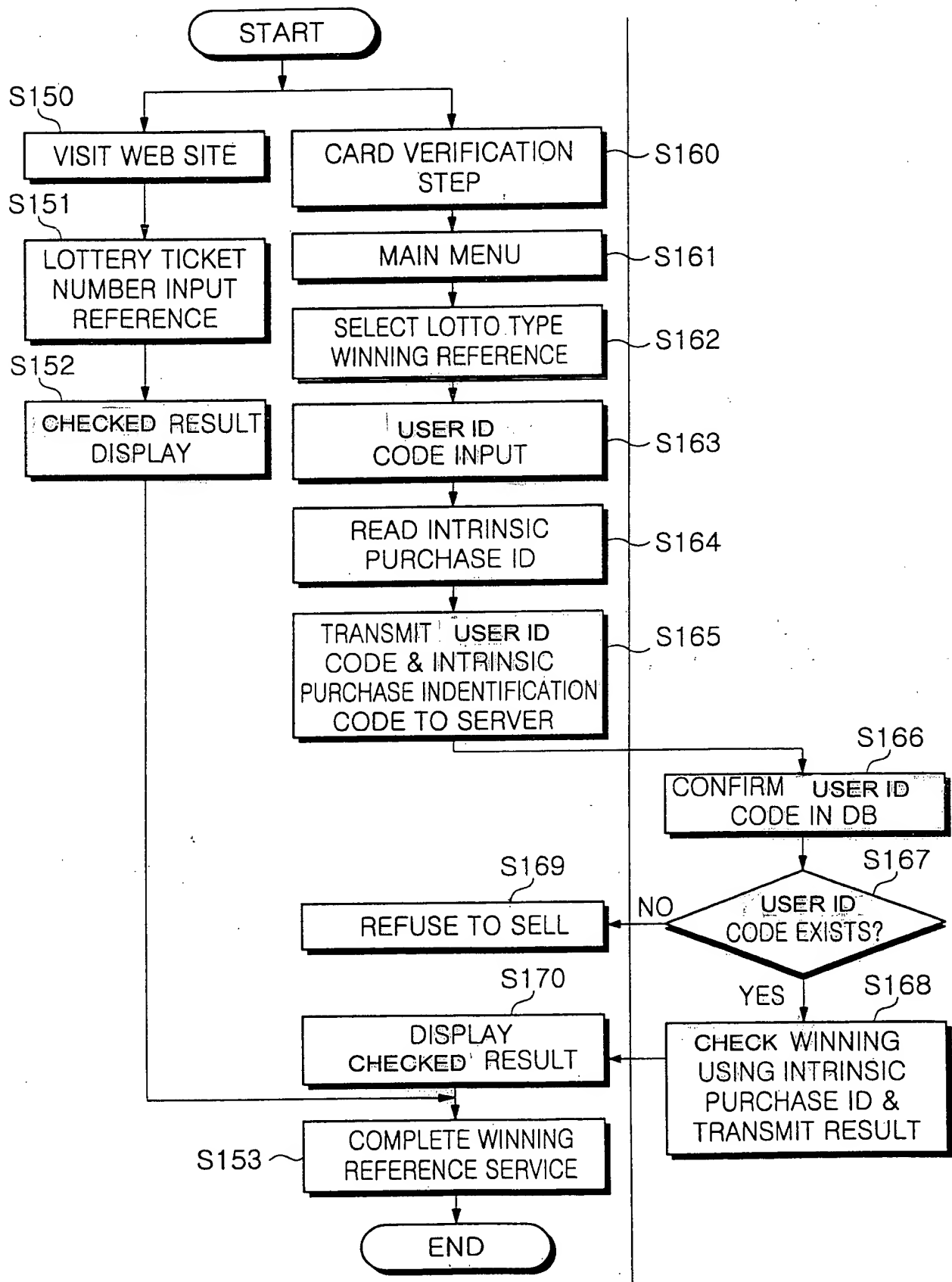


FIG. 4

FIG. 5

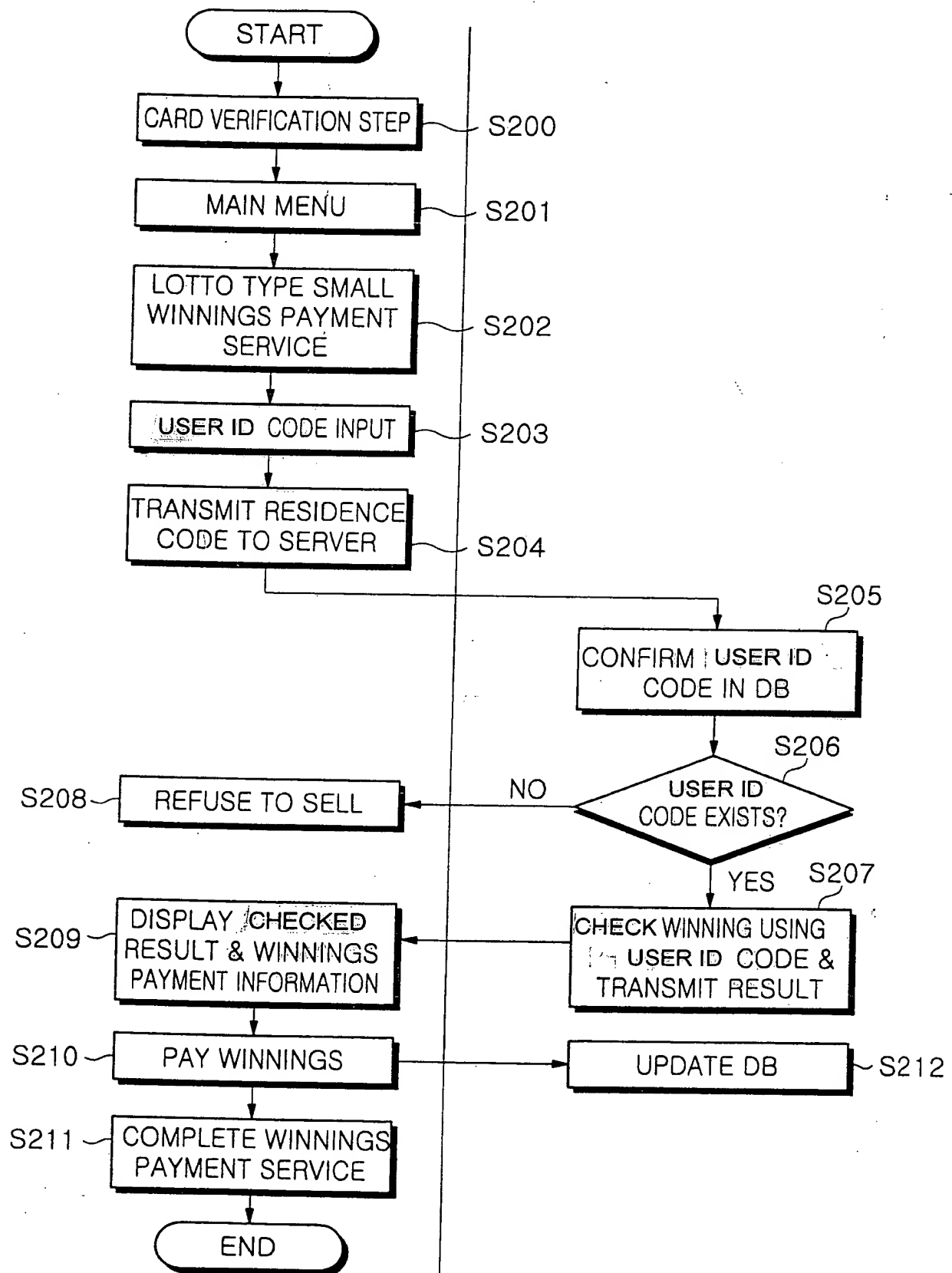


FIG. 5

START

S250 CARD VERIFICATION STEP

S251 MAIN MENU

S252 LOTTO TYPE LARGE
WINNINGS PAYMENT
SERVICE

S253 USER ID CODE INPUT

S254 TRANSMIT USER ID
CODE & INTRINSIC
PURCHASE ID TO SERVER

S255 CONFIRM USER ID
CODE IN DB

S256 USER ID
CODE EXISTS?

NO

S258 REFUSE TO SELL

YES

S257 CHECK INTRINSIC
PURCHASE ID &
TRANSMIT RESULT

S259 DISPLAY CHECKED
RESULT & WINNINGS
PAYMENT INFORMATION

S260 PAY WINNINGS

UPDATE DB

S262

S261 COMPLETE WINNINGS
PAYMENT SERVICE

END

FIG. 6

START

S300- CARD VERIFICATION STEP

S310- LOTTO TYPE LOTTERY
TICKET SELLING STEP

S321- READ CARD INFORMATION

S322- TRANSMIT PERSONAL
INFORMATION, DETAILS
OF PURCHASE, & CARD
INFORMATION TO SERVER

S328- STORE CARD
INFORMATION IN CARD

S329- PRINT
DETAILS OF
PURCHASE ?

NO

YES

S330

S331- COMPLETE LOTTERY
TICKET SELLING SERVICE

END

S320

S323- STORE PERSONAL
INFORMATION & DETAILS
OF PURCHASE AS DB

S324- GENERATE CIPHER VALUE
FOR CARD INFORMATION
USING CIPHER ALGORITHM

S325- STORE GENERATED
CIPHER VALUE IN DB

S326- GENERATE INTRINSIC
PURCHASE ID

S327- STORE INTRINSIC
PURCHASE
ID IN DB & TRANSMIT IT

FIG. 7

FIG. 8

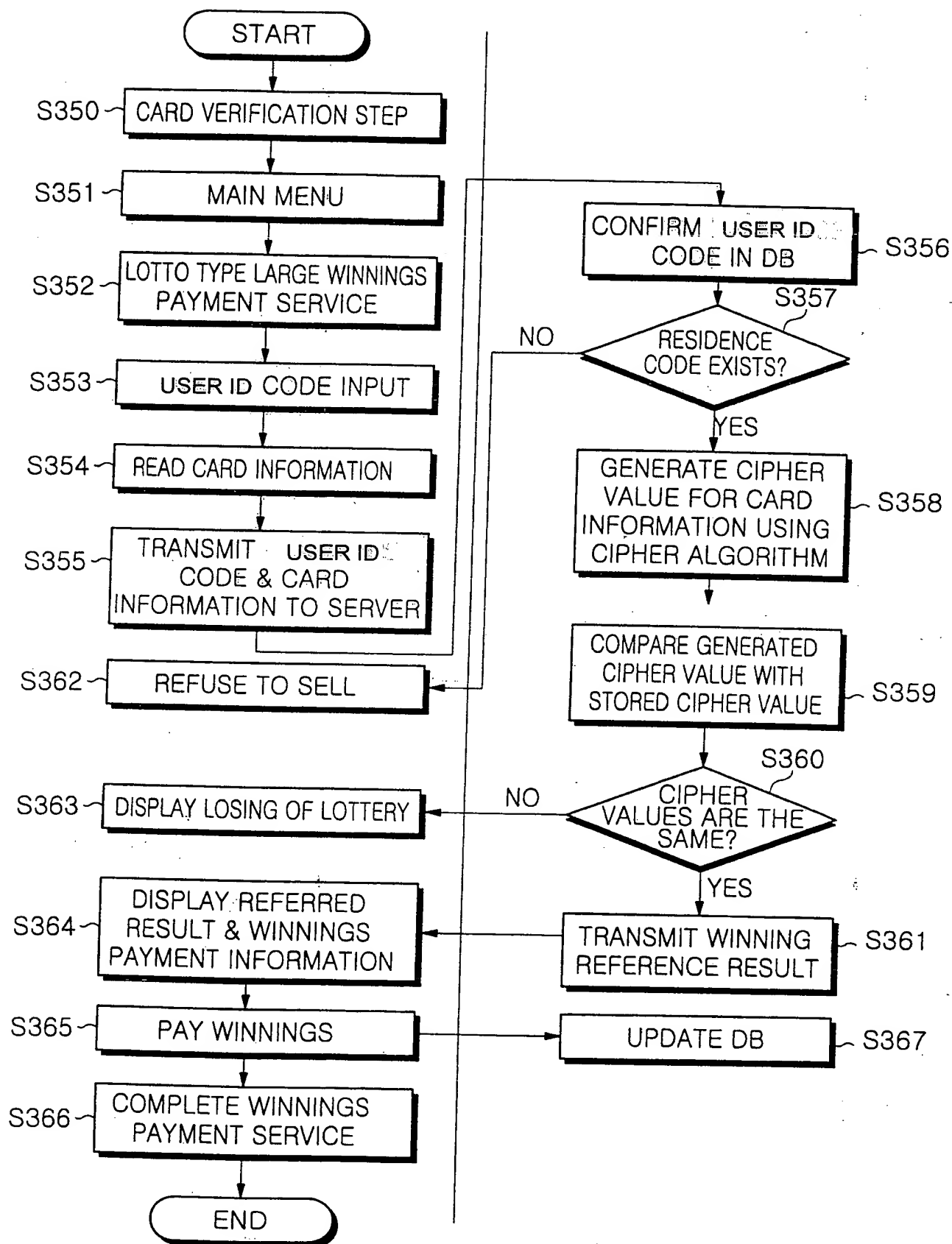


FIG. 8

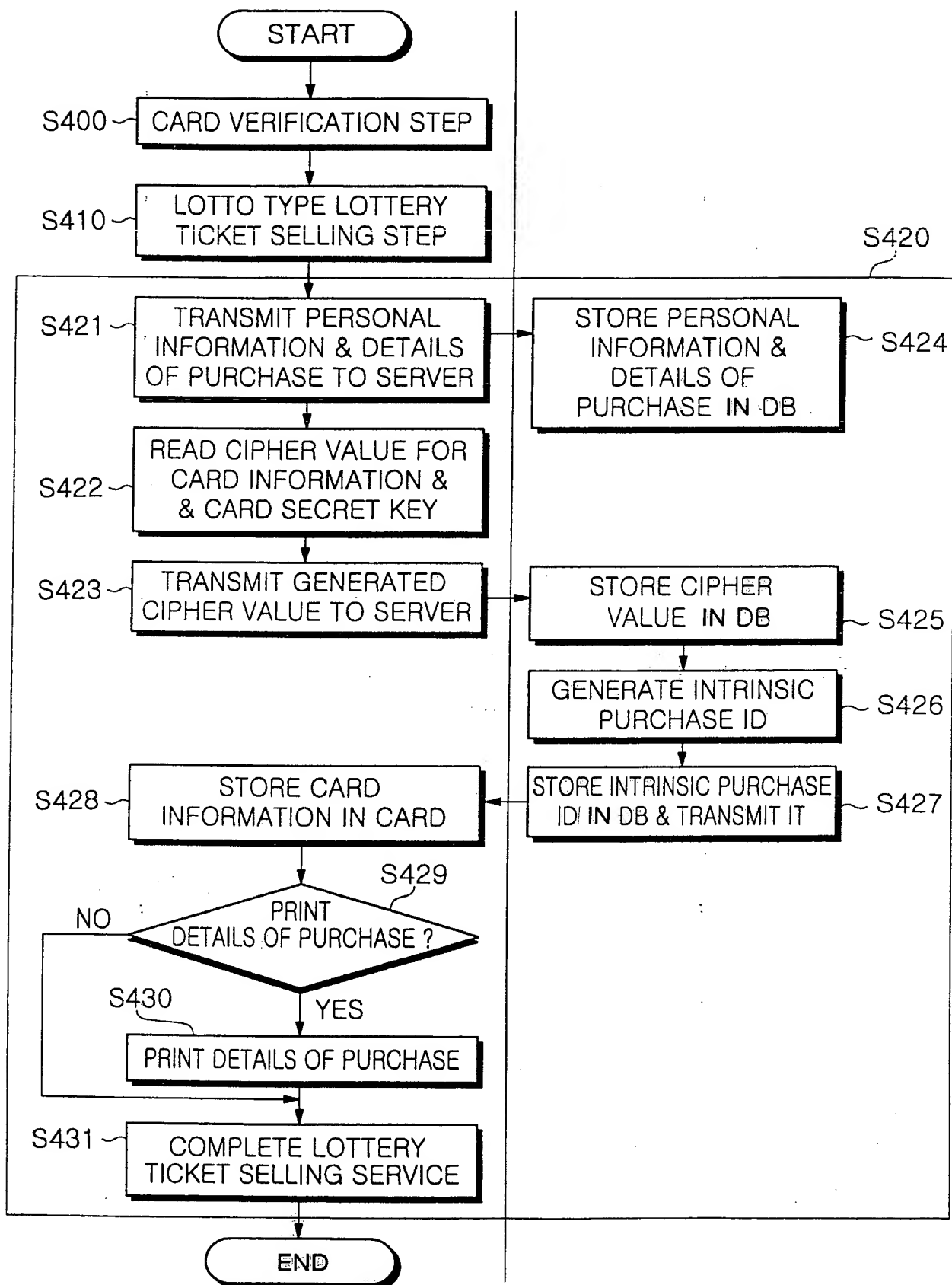


FIG. 9

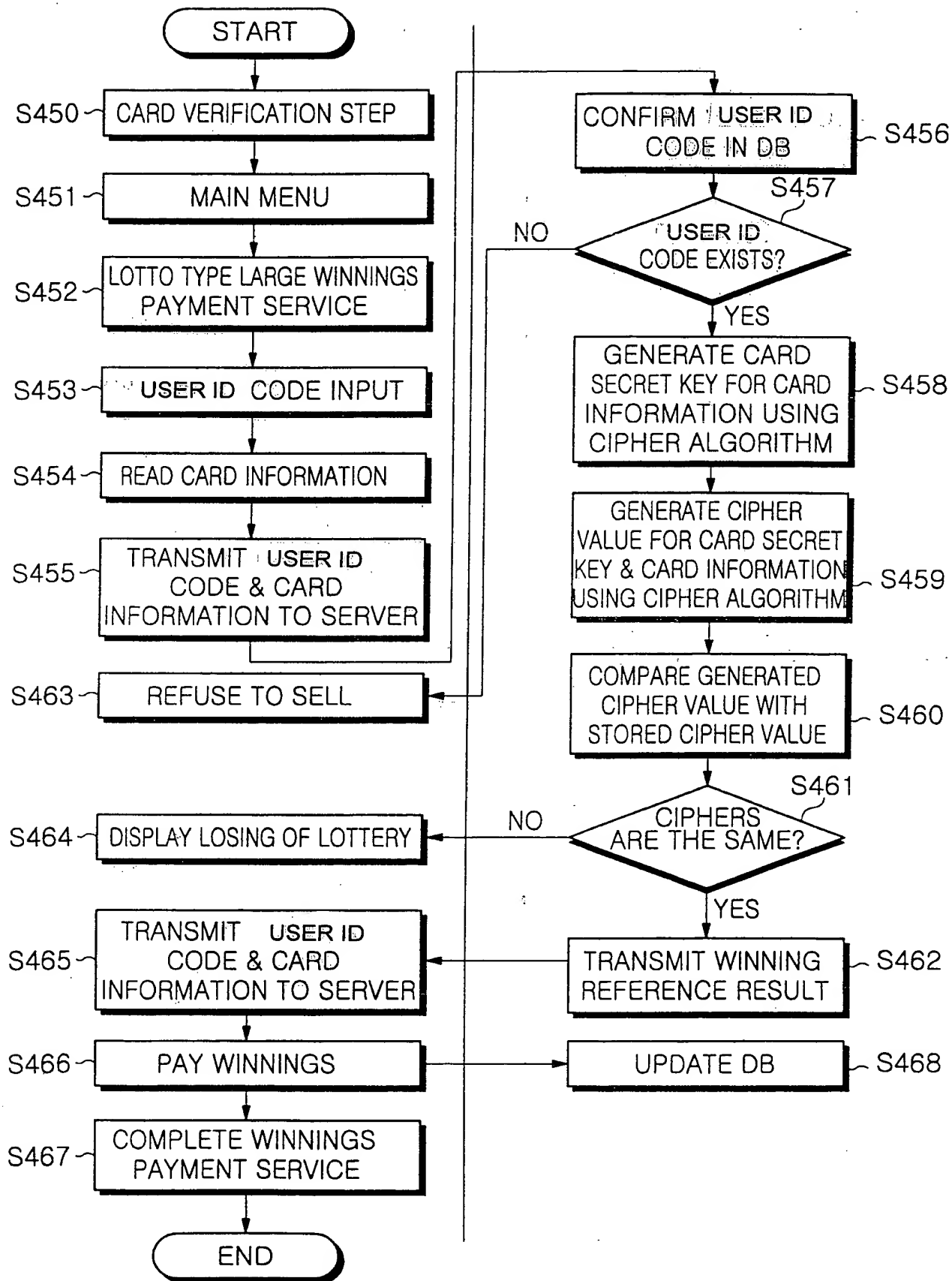


FIG. 10

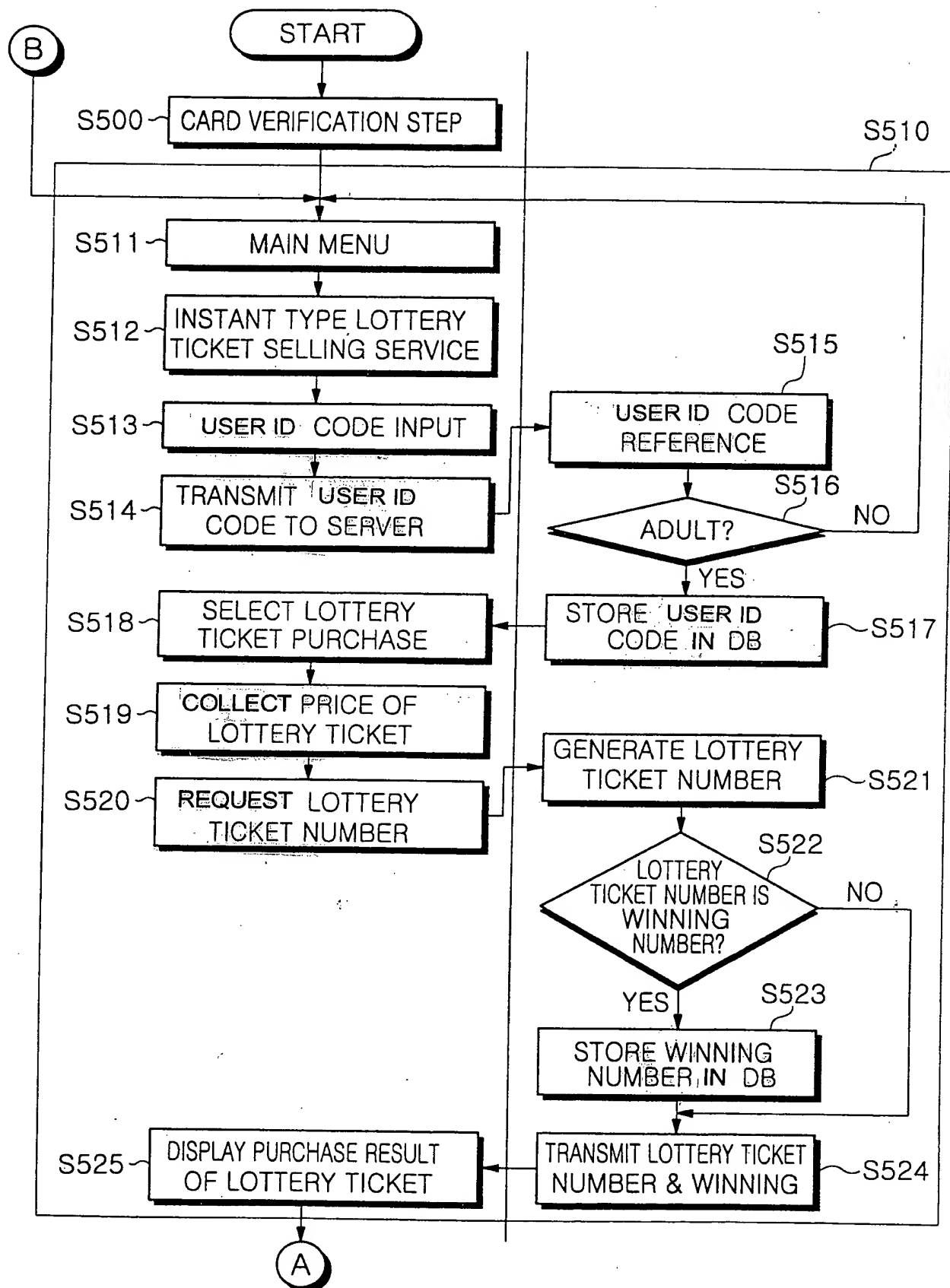


FIG. 11A

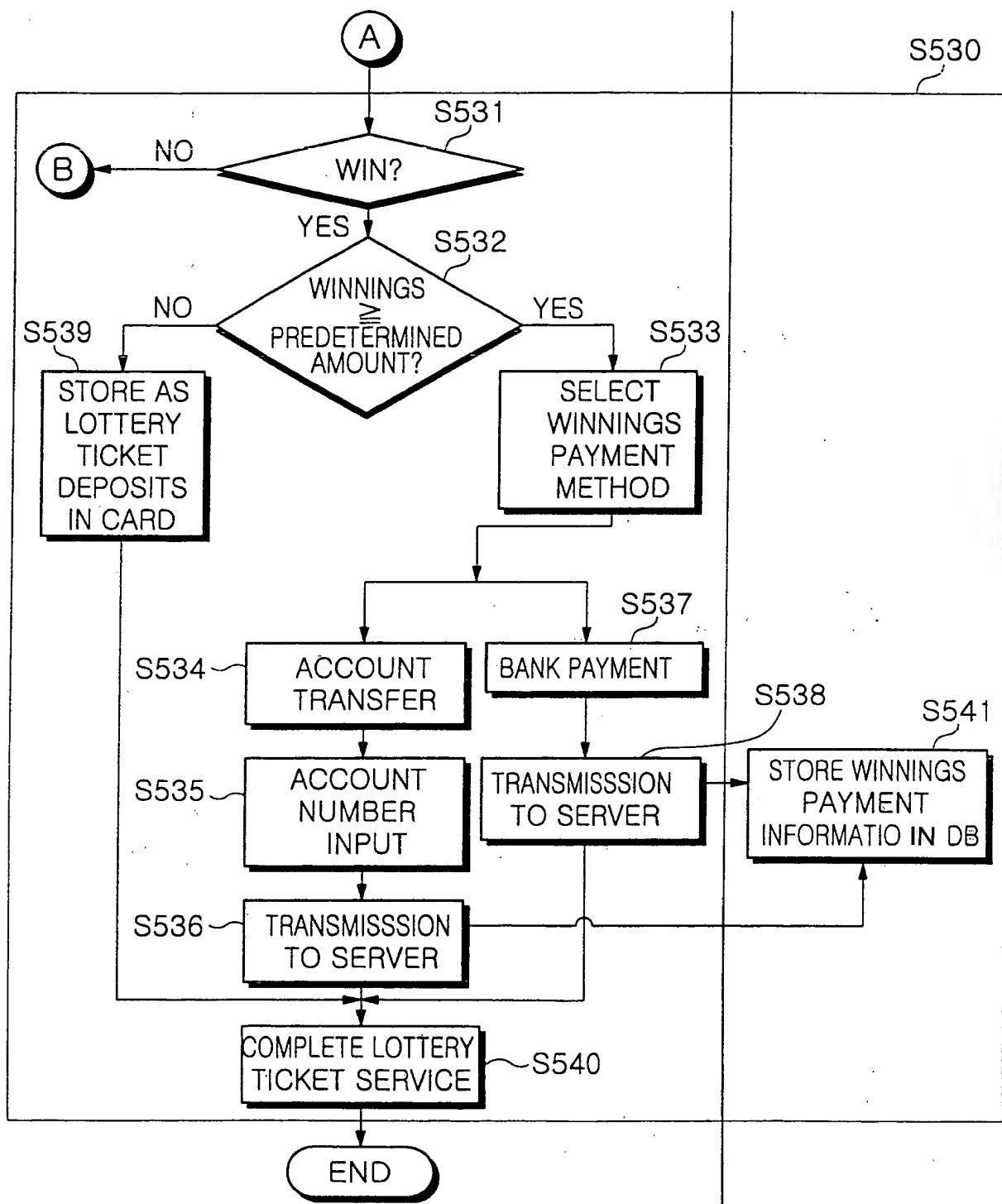


FIG. 11B

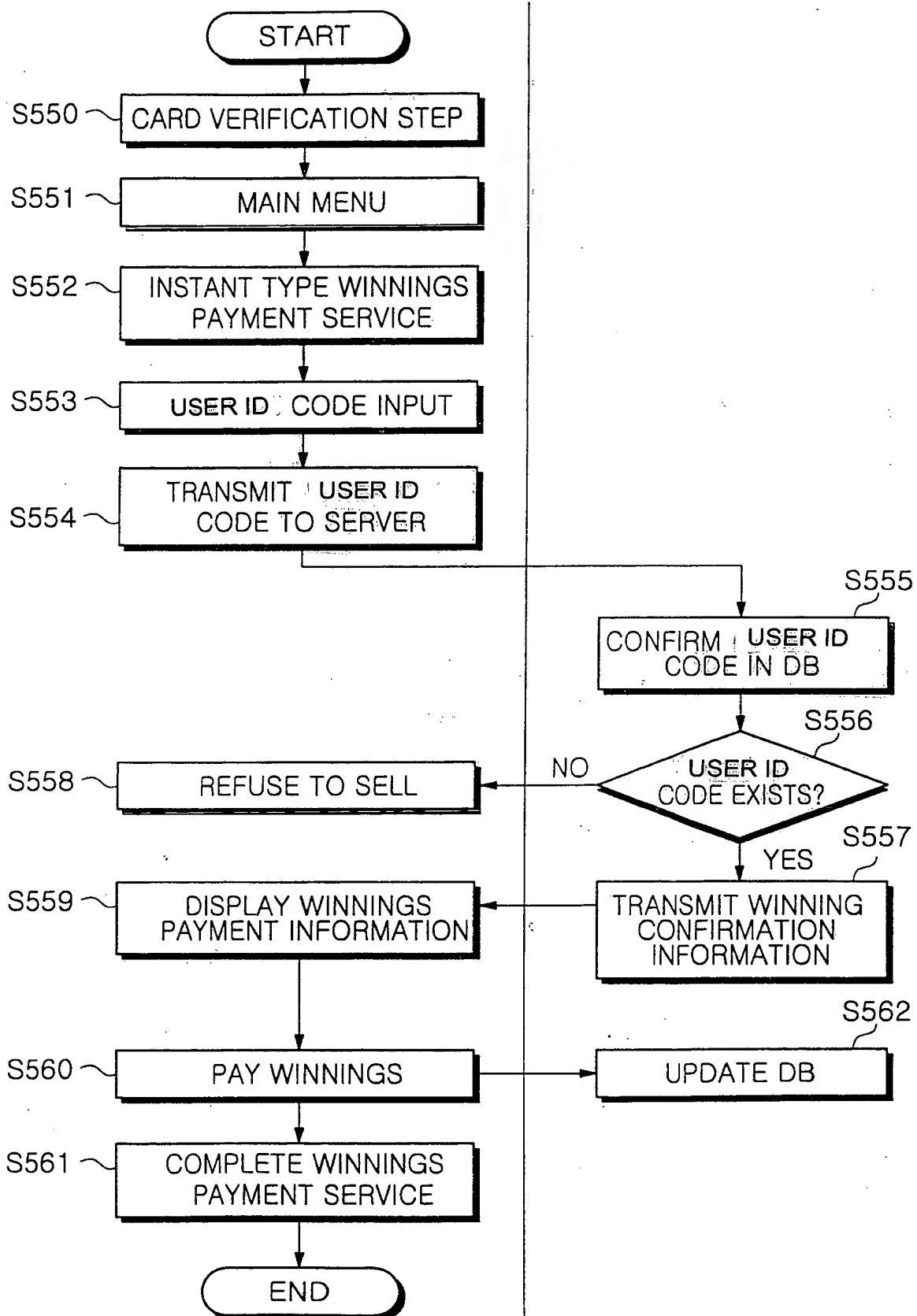


FIG. 12

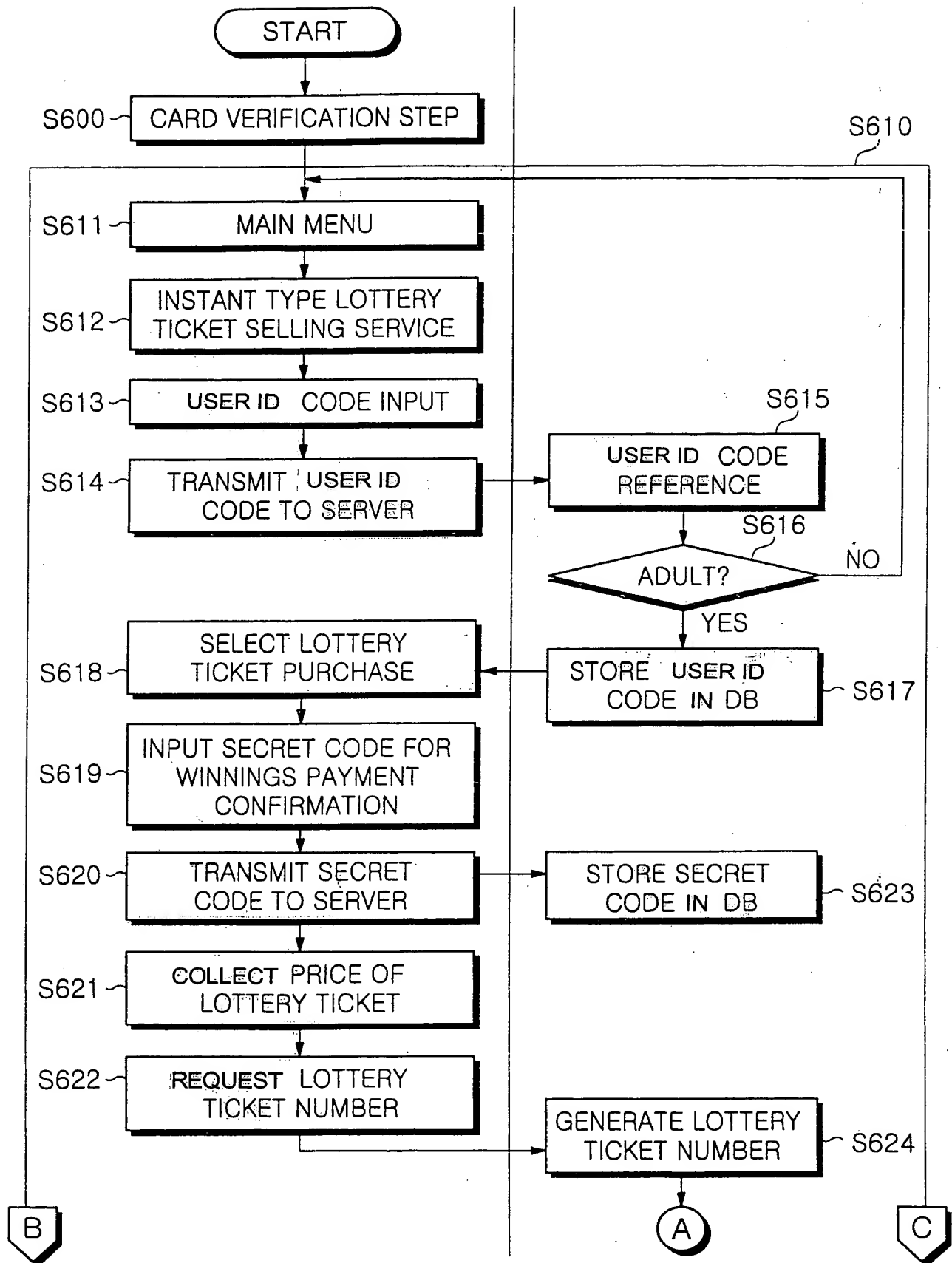


FIG. 13A

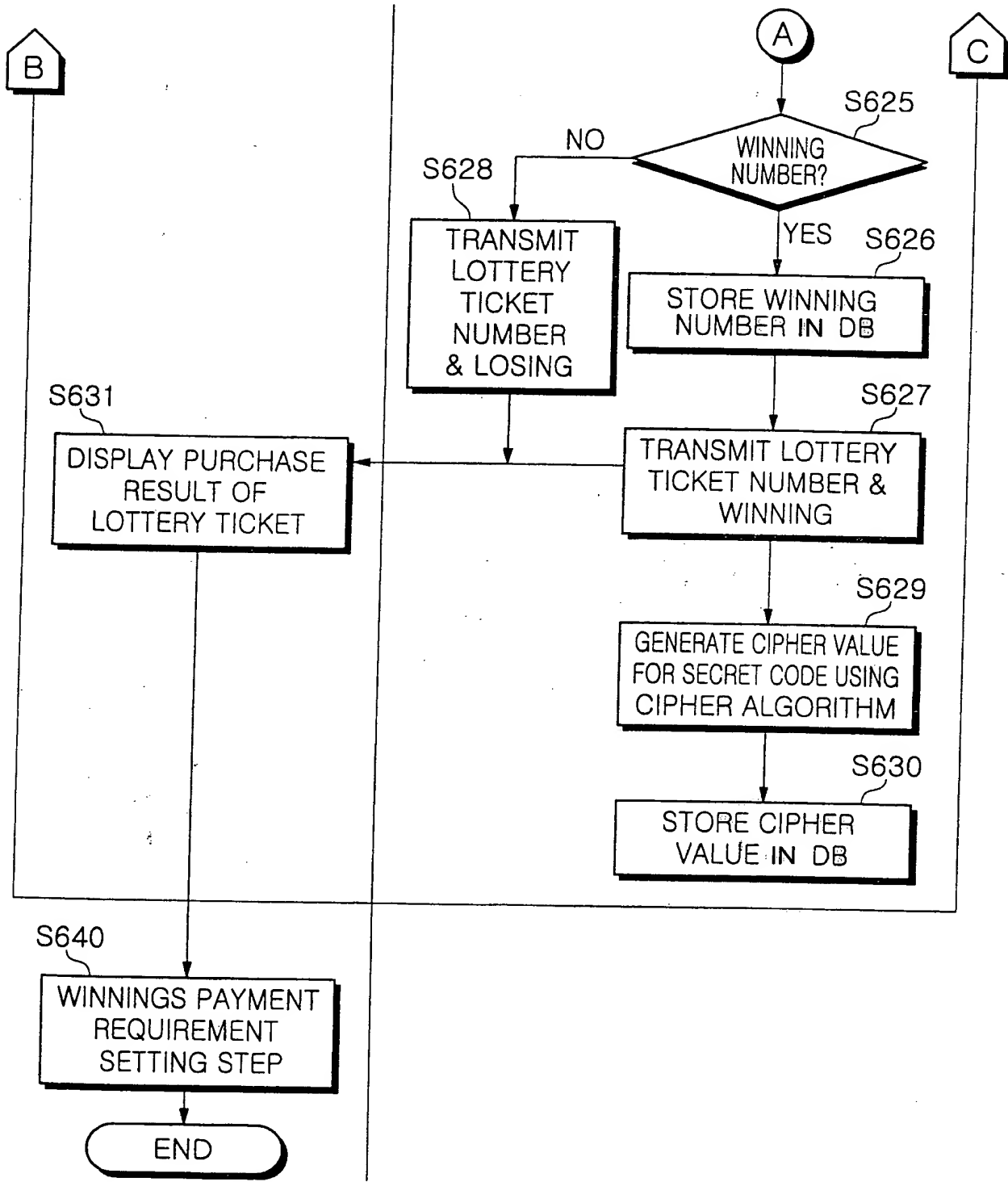


FIG. 13B

FIG. 14

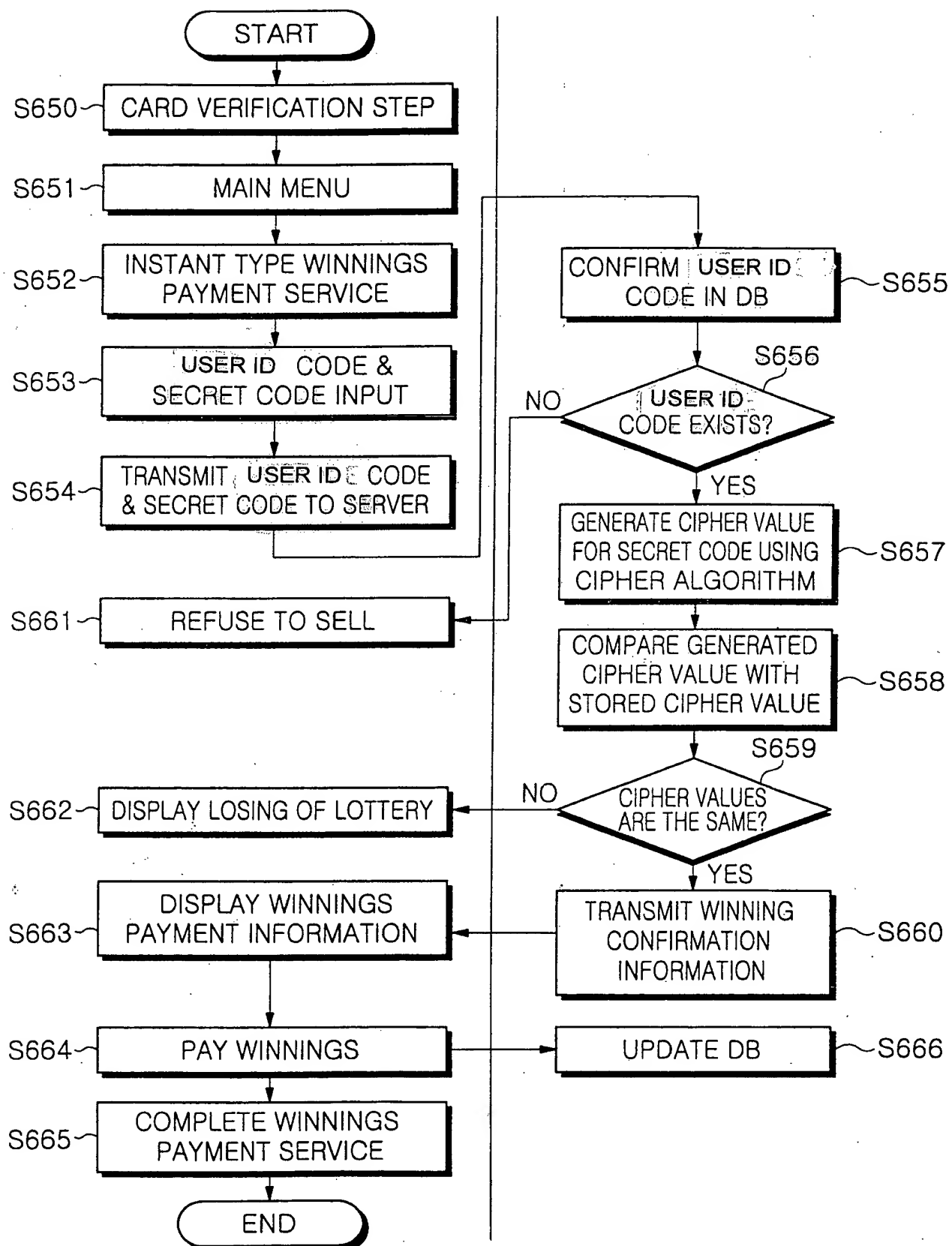


FIG. 14

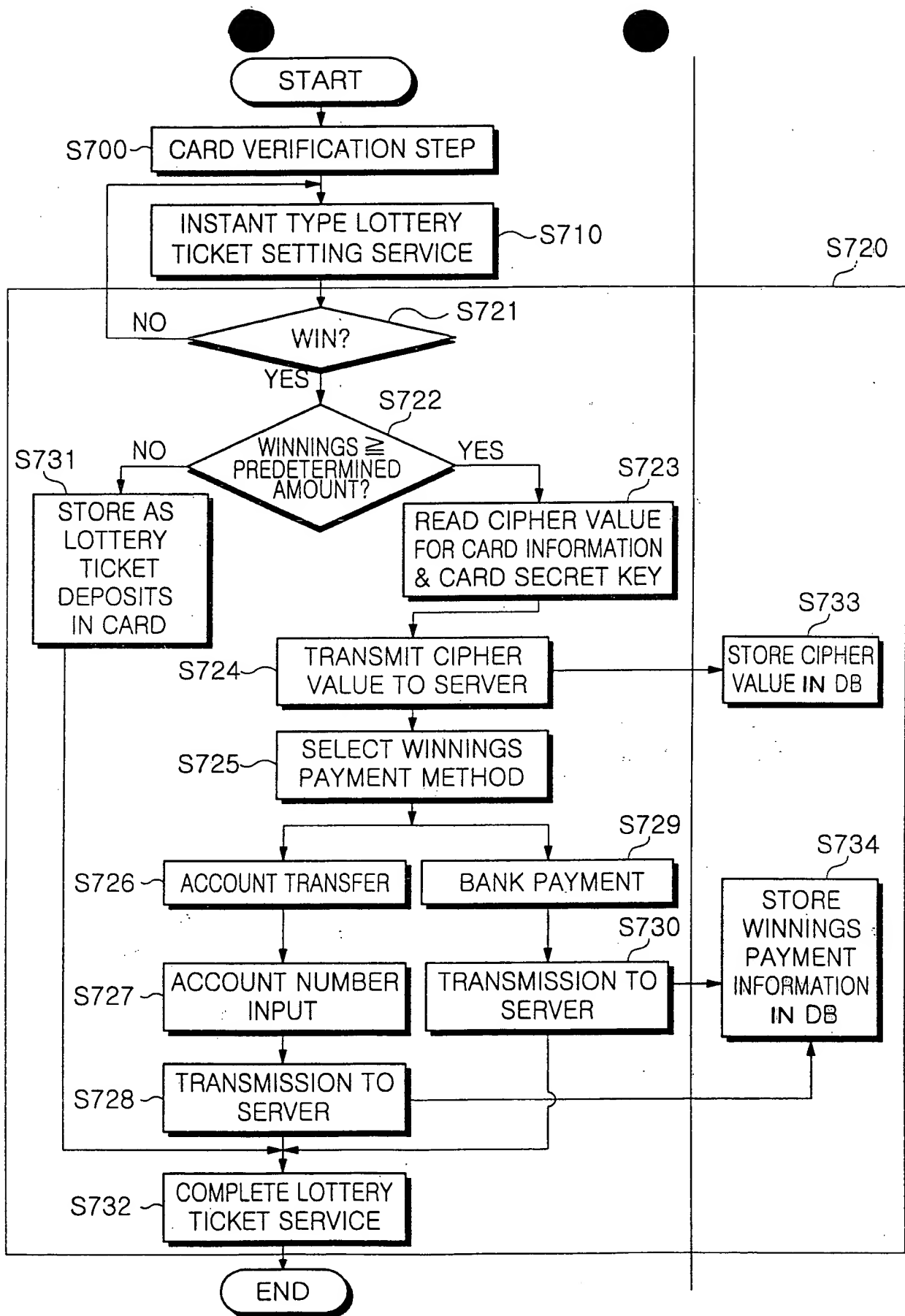


FIG. 15

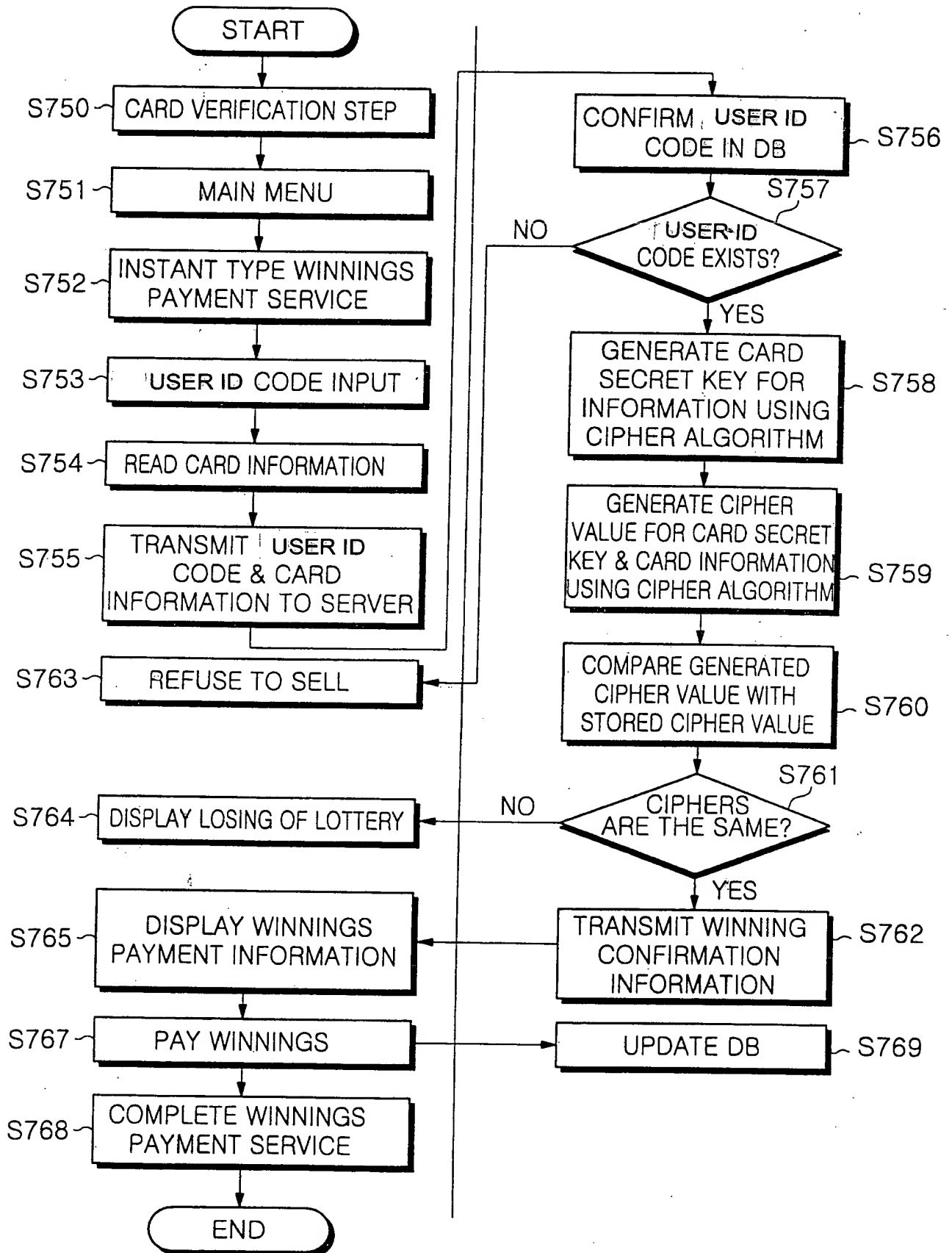


FIG. 16

FIG. 17A

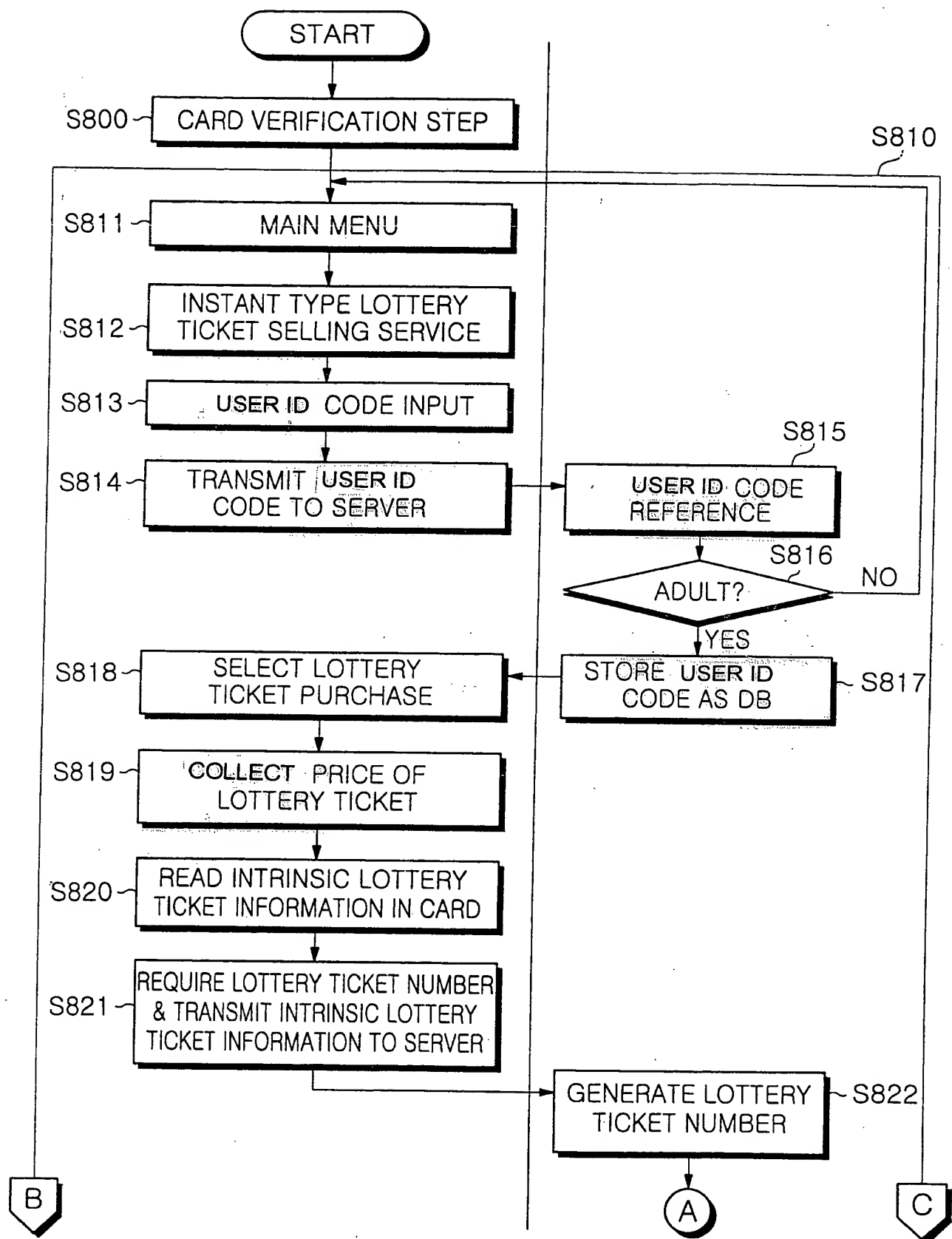


FIG. 17A

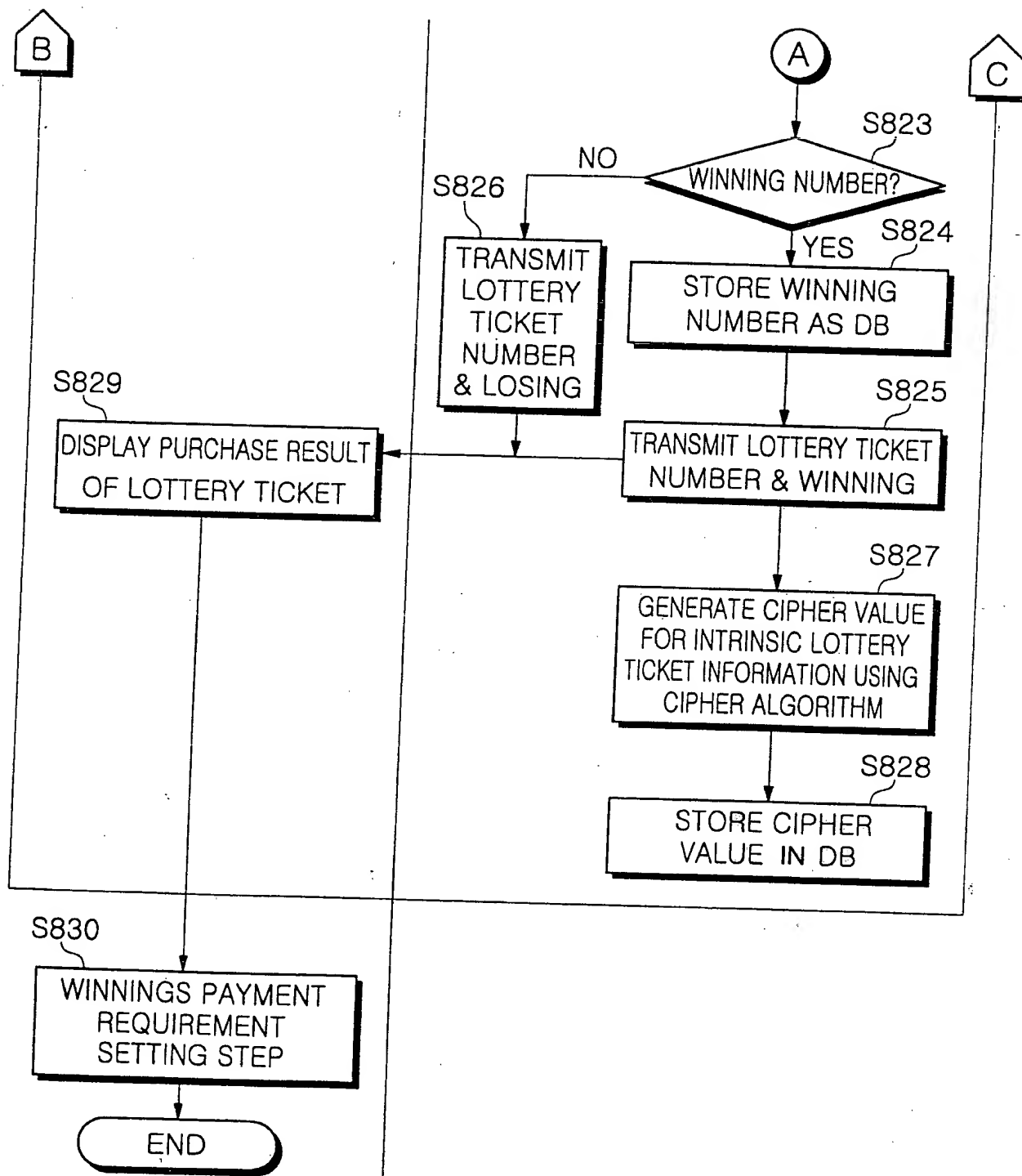


FIG. 17B

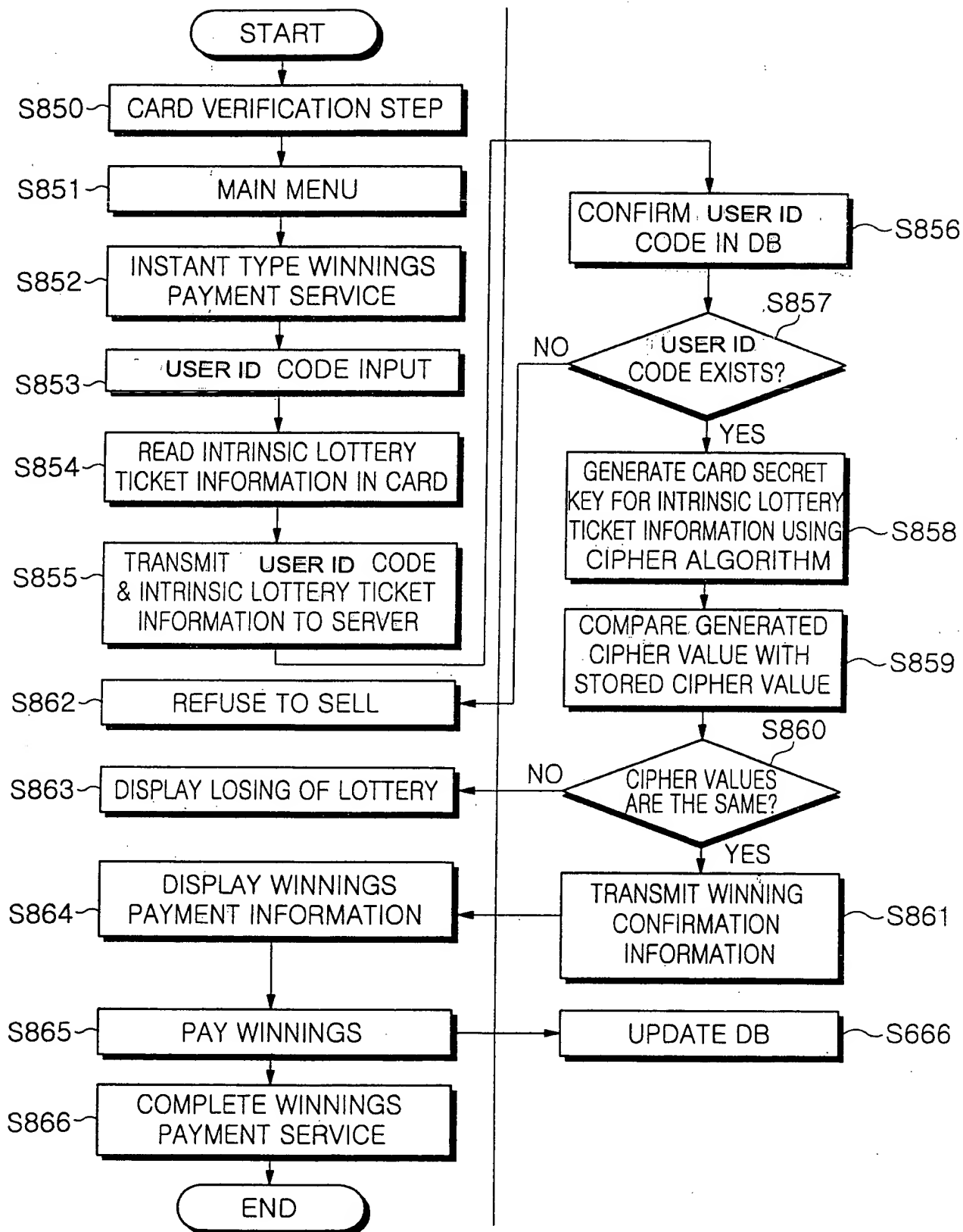


FIG. 18

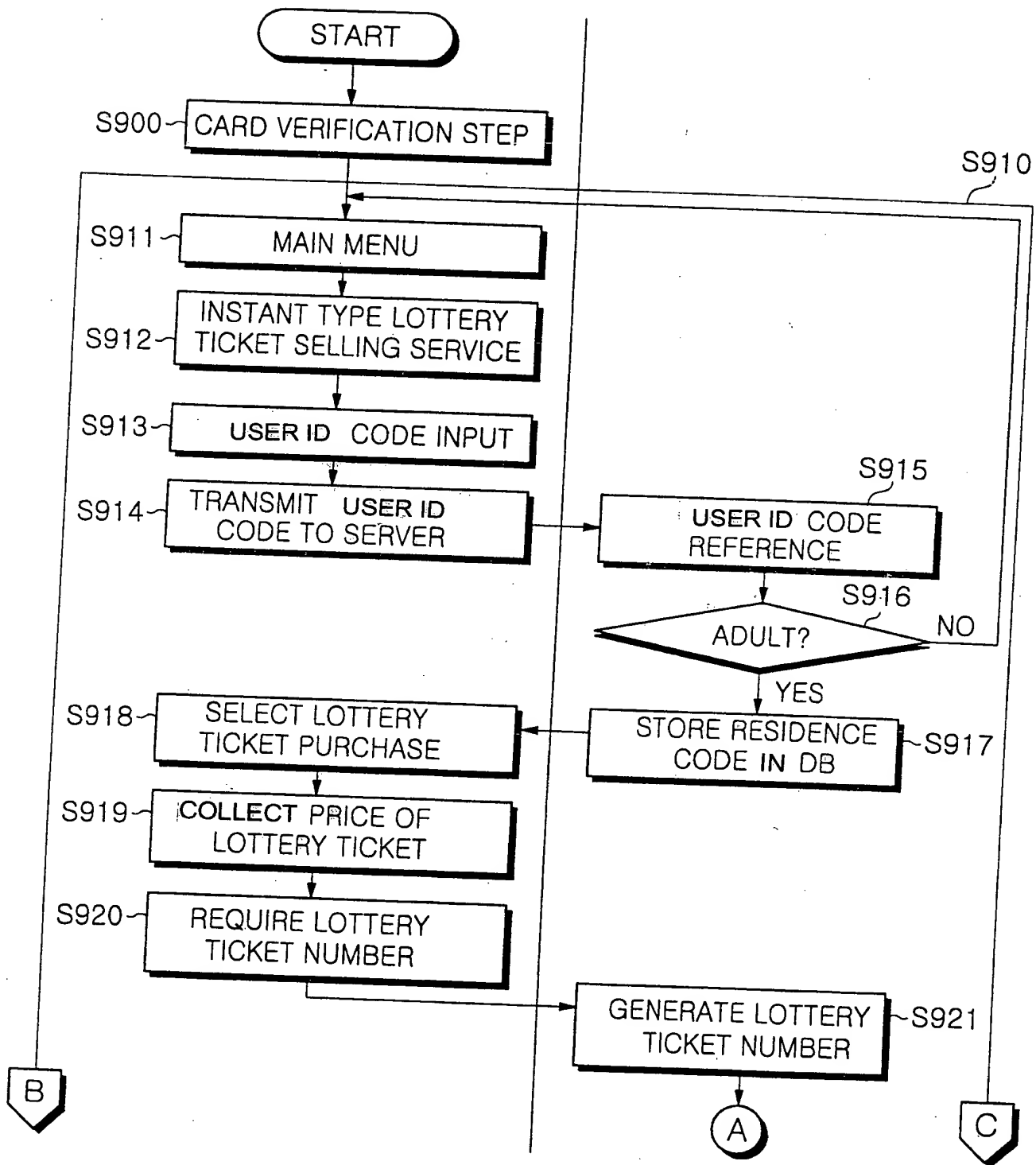


FIG. 19A

TOP SECRET

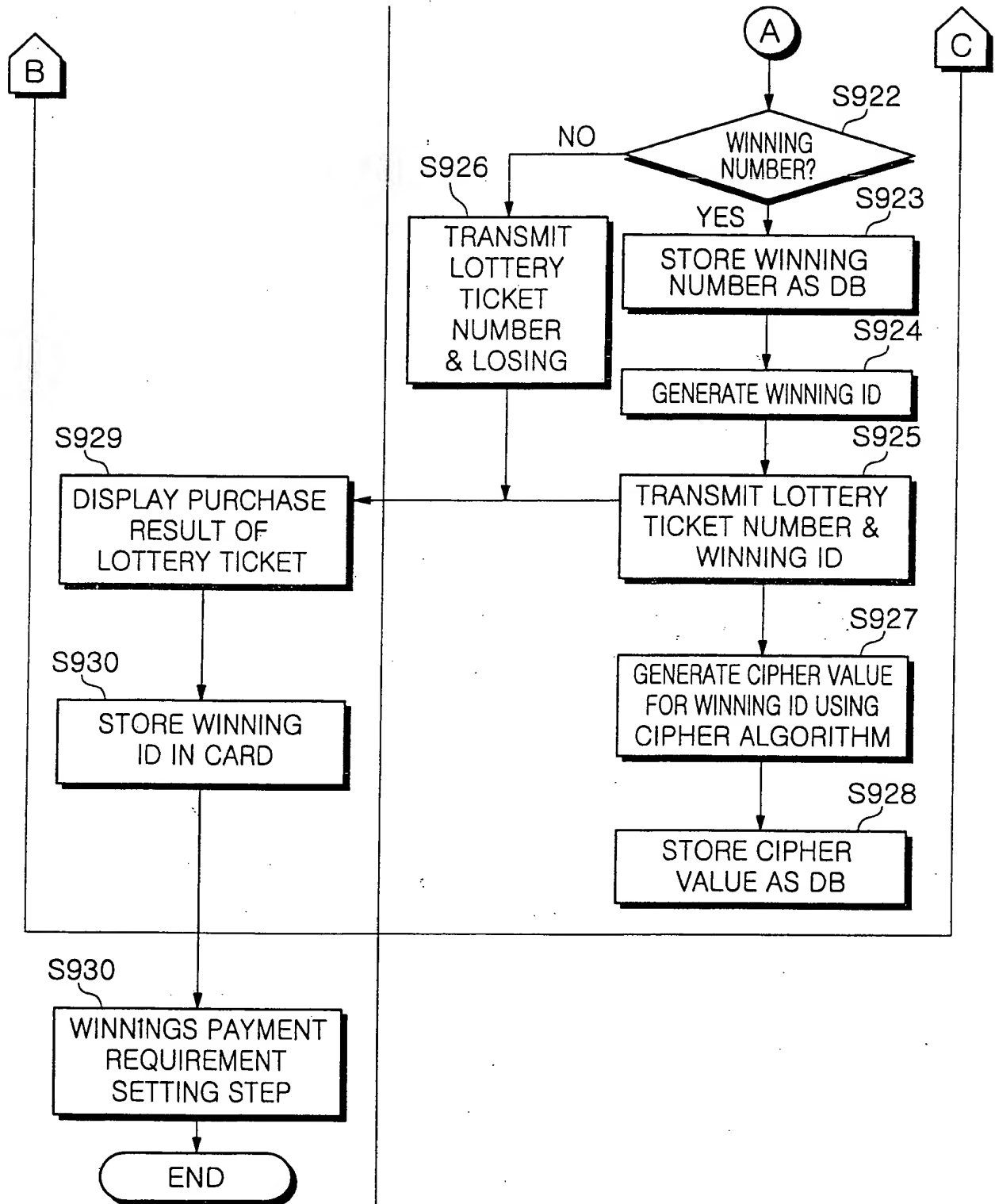


FIG. 19B

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graph TD
    START([START]) --> S950[S950 CARD VERIFICATION STEP]
    S950 --> S951[S951 MAIN MENU]
    S951 --> S952[S952 INSTANT TYPE WINNINGS PAYMENT SERVICE]
    S952 --> S953[S953 USER ID CODE INPUT]
    S953 --> S954[S954 READ WINNING ID IN CARD]
    S954 --> S955[S955 TRANSMIT USER ID CODE & WINNING ID TO SERVER]
    S955 --> S956[S956 CONFIRM USER ID CODE IN DB]
    S956 --> S957{S957 USER ID CODE EXISTS?}
    S957 -- NO --> S962[S962 REFUSE TO SELL]
    S957 -- YES --> S958[S958 GENERATE CARD SECRET KEY FOR WINNING ID USING CIPHER]
    S958 --> S959[S959 COMPARE GENERATED CIPHER VALUE WITH STORED CIPHER VALUE]
    S959 --> S960{S960 CIPHER VALUES ARE THE SAME?}
    S960 -- NO --> S863[S863 DISPLAY LOSING OF LOTTERY]
    S960 -- YES --> S961[S961 TRANSMIT WINNING CONFIRMATION INFORMATION]
    S961 --> S967[S967 UPDATE DB]
    S967 --> S965[S965 PAY WINNINGS]
    S965 --> S966[S966 COMPLETE WINNINGS PAYMENT SERVICE]
    S966 --> END([END])

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FIG. 20